SUBJECT INDEX

Analysis

Natural Periods of Long-Span Cable-Stayed Bridges, Domenico Bruno and Angelo Leonardi, BE Aug. 97, p105-115.

Approximation methods

Approximate Analysis of Irregular Slab-on-Girder Bridges, Sami W. Tabsh and Kalpana Sahajwani, BE Feb. 97, p11-17.

ASCE Publications

Introduction, Dennis R. Mertz, BE Aug. 97, p69.

Beams

Approximate Analysis of Irregular Slab-on-Girder Bridges, Sami W. Tabsh and Kalpana Sahajwani, BE Feb. 97, p11-17.

Practitioners' Forum, Muthiah Kasi and Harold R. Sandberg, BE Aug. 97, p70-72.

Bearing capacity

Bearing Pressures for Rectangular Footings with Biaxial Uplift, Kenneth E. Wilson, BE Feb. 97, p27-33.

Reliability of Inelastic Load Capacity Rating Limits for Steel Bridges, Michael G. Barker and John A. Zacher, BE May 97, p45-52.

Bearings

Frictional Response of PTFE Sliding Bearings at High Frequencies, Gaël Bondonet and André Filiatrault, BE Nov. 97, p139-148.

Bending moments

Yield Interaction Equations for Nominal Bending Strength of Curved I-Girders, Chai H. Yoo and James S. Davidson, BE May 97, p37-44.

Biaxial bending

Bearing Pressures for Rectangular Footings with Biaxial Uplift, Kenneth E. Wilson, BE Feb. 97, p27-33.

Bridge decks

Bridge Deck Construction Using Type K Cement, Michael V. Phillips, George E. Ramey and David W. Pittman, BE Nov. 97, p176-182.

Rapid Restoration of War-Damaged 19th Century Lifeline Bridge, Paul F. Mlakar and James C. Ray, BE Aug. 97, p125-130.

Bridge design

Experimental Load Rating of a Posted Bridge, Michael J. Chajes, Dennis R. Mertz and Brett Commander, BE Feb. 97, p1-10.

Rapid Restoration of War-Damaged 19th Century Lifeline Bridge, Paul F. Mlakar and James C. Ray, BE Aug. 97, p125-130.

Bridge failure

Cable Safety Factors for Four Suspension Bridges, Roger Q. Haight, David P. Billington and Dyab Khazem, BE Nov. 97, p157-167.

Bridge inspection

Uniform Bridge Element Identification System for Database Management for Roadway Bridges, Mohammed E. Haque, P.E., BE Nov. 97, p183-188.

Bridge maintenance

One Hundred Years of the Rock Island Government Bridge, Jan S. Plachta, P.E., BE Nov. 97, p168-175.

Bridges

Frictional Response of PTFE Sliding Bearings at High Frequencies, Gaël Bondonet and André Filiatrault, BE Nov. 97, p139-148.

Uniform Bridge Element Identification System for Database Management for Roadway Bridges, Mohammed E. Haque, P.E., BE Nov. 97, p183-188.

Bridges, cable-stayed

Cable-Stayed Bridge Concept for Longer Spans, Uwe Starossek, BE Aug. 96, p99-103.

Cable-Stayed Bridges—Parametric Study, T. P. Agrawal, BE May 97, p61-67.

Natural Periods of Long-Span Cable-Stayed Bridges, Domenico Bruno and Angelo Leonardi, BE Aug. 97, p105-115.

Bridges, composite

Finite-Element Analysis of Steel Girder Highway Bridges, Mounir E. Mabsout, Kassim M. Tarhini, Gerald R. Frederick and Charbel Tayar, P.E, BE Aug. 97, p83-87.

Bridges, girder

Approximate Analysis of Irregular Slab-on-Girder Bridges, Sami W. Tabsh and Kalpana Sahajwani, BE Feb. 97, p11-17.

Experimental Load Rating of a Posted Bridge, Michael J. Chajes, Dennis R. Mertz and Brett Commander, BE Feb. 97, p1-10.

Load Distribution and Impact Factors for I-Girder Bridges, Sangjin Kim and Andrzej S. Nowak, BE Aug. 97, p97-104.

Segmental and Conventional Precast Prestressed Concrete I-Bridge Girders, Z. Lounis, M. S. Mirza and M. Z. Cohn, BE Aug. 97, p73-82.

Stretching Span Capability of Prestressed Concrete Bridges under AASHTO LRFD, Yohchia Chen and Alex Aswad, BE Aug. 96, p112-120.

Bridges, highway

Finite-Element Analysis of Steel Girder Highway Bridges, Mounir E. Mabsout, Kassim M. Tarhini, Gerald R. Frederick and Charbel Tayar, P.E, BE Aug. 97, p83-87.

Rapid Restoration of War-Damaged 19th Century Lifeline Bridge, Paul F. Mlakar and James C. Ray, BE Aug. 97, p125-130.

Bridges, railroad

Reliability-Based Method for Fatigue Evaluation of Railway Bridges, Daniel H. Tobias and Douglas A. Foutch, BE May 97, p53-60.

Bridges, spans

Cable-Stayed Bridge Concept for Longer Spans, Uwe Starossek, BE Aug. 96, p99-103.

One Hundred Years of the Rock Island Government Bridge, Jan S. Plachta, P.E., BE Nov. 97, p168-175.

Bridges, steel

Influence of Sidewalks and Railings on Wheel Load Distribution in Steel Girder Bridges, Mounir E. Mabsout, Kassim M. Tarhini, Gerald R. Frederick and Marwan Kobrosly, BE Aug. 97, p88-96.

Reliability of Inelastic Load Capacity Rating Limits for Steel Bridges, Michael G. Barker and John A. Zacher, BE May 97, p45-52.

Structural Deterioration Assessment for Steel Bridges, Daniel N. Farhey, Aniruddha M. Thakur, Relva C. Buchanan, A. Emin Aktan and Narayanan Jayaraman, BE Aug. 97, p116-124.

Bridges, suspension

Cable Safety Factors for Four Suspension Bridges, Roger Q. Haight, David P. Billington and Dyab Khazem, BE Nov. 97, p157-167.

Vibration Studies of Tsing Ma Suspension Bridge, Y. L. Xu, J. M. Ko and W. S. Zhang, BE Nov. 97, p149-156.

Bridges, truss

Experimental Load Rating Study of a Historic Truss Bridge, Thomas E. Boothby and Richard J. Craig, BE Feb. 97, p18-26.

One Hundred Years of the Rock Island Government Bridge, Jan S. Plachta, P.E., BE Nov. 97, p168-175.

Brittleness

Cable Safety Factors for Four Suspension Bridges, Roger Q. Haight, David P. Billington and Dyab Khazem, BE Nov. 97, p157-167.

Cables

Cable Safety Factors for Four Suspension Bridges, Roger Q. Haight, David P. Billington and Dyab Khazem, BE Nov. 97, p157-167.

Case reports

Introduction, Dennis R. Mertz, BE Aug. 97, p69.

Cements

Bridge Deck Construction Using Type K Cement, Michael V. Phillips, George E. Ramey and David W. Pittman, BE Nov. 97, p176-182.

Concrete

Bridge Deck Construction Using Type K Cement, Michael V. Phillips, George E. Ramey and David W. Pittman, BE Nov. 97, p176-182.

Transient Impact Response of Bridge I-Girders with and without Flaws, Yiching Lin and Kuo-Lung Lin, BE Nov. 97, p131-138.

Concrete construction

Bridge Deck Construction Using Type K Cement, Michael V. Phillips, George E. Ramey and David W. Pittman, BE Nov. 97, p176-182.

Concrete durability

Bridge Deck Construction Using Type K Cement, Michael V. Phillips, George E. Ramey and David W. Pittman, BE Nov. 97, p176-182.

Concrete, post-tensioned

Segmental and Conventional Precast Prestressed Concrete I-Bridge Girders, Z. Lounis, M. S. Mirza and M. Z. Cohn, BE Aug. 97, p73-82.

Concrete, precast

Segmental and Conventional Precast Prestressed Concrete I-Bridge Girders, Z. Lounis, M. S. Mirza and M. Z. Cohn, BE Aug. 97, p73-82.

Concrete, prestressed

Segmental and Conventional Precast Prestressed Concrete I-Bridge Girders, Z. Lounis, M. S. Mirza and M. Z. Cohn, BE Aug. 97, p73-82.

Stretching Span Capability of Prestressed Concrete Bridges under AASHTO LRFD, Yohchia Chen and Alex Aswad, BE Aug. 96, p112-120.

Construction

Rapid Restoration of War-Damaged 19th Century Lifeline Bridge, Paul F. Mlakar and James C. Ray, BE Aug. 97, p125-130.

Curvature

Yield Interaction Equations for Nominal Bending Strength of Curved I-Girders, Chai H. Yoo and James S. Davidson, BE May 97, p37-44.

Curved beams

Yield Interaction Equations for Nominal Bending Strength of Curved I-Girders, Chai H. Yoo and James S. Davidson, BE May 97, p37-44.

Damage prevention

Bridge Deck Construction Using Type K Cement, Michael V. Phillips, George E. Ramey and David W. Pittman, BE Nov. 97, p176-182.

Data collection

Load Distribution and Impact Factors for I-Girder Bridges, Sangjin Kim and Andrzej S. Nowak, BE Aug. 97, p97-104.

Database management systems

Uniform Bridge Element Identification System for Database Management for Roadway Bridges, Mohammed E. Haque, P.E., BE Nov. 97, p183-188.

Design

Cable-Stayed Bridge Concept for Longer Spans, Uwe Starossek, BE Aug. 96, p99-103.

Stretching Span Capability of Prestressed Concrete Bridges under AASHTO LRFD, Yohchia Chen and Alex Aswad, BE Aug. 96, p112-120.

Design criteria

Practitioners' Forum, Muthiah Kasi and Harold R. Sandberg, BE Aug. 97, p70-72.

Ductility

Cable Safety Factors for Four Suspension Bridges, Roger Q. Haight, David P. Billington and Dyab Khazem, BE Nov. 97, p157-167.

Dynamics

Natural Periods of Long-Span Cable-Stayed Bridges, Domenico Bruno and Angelo Leonardi, BE Aug. 97, p105-115.

Earthquakes

Frictional Response of PTFE Sliding Bearings at High Frequencies, Gaël Bondonet and André Filiatrault, BE Nov. 97, p139-148.

Equilibrium equations

Natural Periods of Long-Span Cable-Stayed Bridges, Domenico Bruno and Angelo Leonardi, BE Aug. 97, p105-115.

Failures

Practitioners' Forum, Muthiah Kasi and Harold R. Sandberg, BE Aug. 97, p70-72.

Fatigue
Approximate Analysis of Irregular Slab-on-Girder Bridges, Sami W. Tabsh and Kalpana Sahajwani, BE Feb. 97, p11-17.
Reliability-Based Method for Fatigue Evaluation of Railway Bridges, Daniel H. Tobias and Douglas A. Foutch, BE May 97, p53-60.

Field tests
Experimental Load Rating of a Posted Bridge, Michael J. Chajes, Dennis R. Mertz and Brett Commander, BE Feb. 97, p1-10.
Experimental Load Rating Study of a Historic Truss Bridge, Thomas E. Boothby and Richard J. Craig, BE Feb. 97, p18-26.
Load Distribution and Impact Factors for I-Girder Bridges, Sangjin Kim and Andrzej S. Nowak, BE Aug. 97, p97-104.

Finite element method
Finite-Element Analysis of Steel Girder Highway Bridges, Mounir E. Mabsout, Kassim M. Tarhini, Gerald R. Frederick and Charbel Tayar, P.E, BE Aug. 97, p83-87.
Influence of Sidewalks and Railings on Wheel Load Distribution in Steel Girder Bridges, Mounir E. Mabsout, Kassim M. Tarhini, Gerald R. Frederick and Marwan Kobrosly, BE Aug. 97, p88-96.
Vibration Studies of Tsing Ma Suspension Bridge, Y. L. Xu, J. M. Ko and W. S. Zhang, BE Nov. 97, p149-156.

Finite elements
Approximate Analysis of Irregular Slab-on-Girder Bridges, Sami W. Tabsh and Kalpana Sahajwani, BE Feb. 97, p11-17.

Flanges
Practitioners' Forum, Muthiah Kasi and Harold R. Sandberg, BE Aug. 97, p70-72.

Flexure
Approximate Analysis of Irregular Slab-on-Girder Bridges, Sami W. Tabsh and Kalpana Sahajwani, BE Feb. 97, p11-17.

Footings
Bearing Pressures for Rectangular Footings with Biaxial Uplift, Kenneth E. Wilson, BE Feb. 97, p27-33.

Foundations
Bearing Pressures for Rectangular Footings with Biaxial Uplift, Kenneth E. Wilson, BE Feb. 97, p27-33.

Frequencies
Frictional Response of PTFE Sliding Bearings at High Frequencies, Gaël Bondonet and André Filiatrault, BE Nov. 97, p139-148.
Transient Impact Response of Bridge I-Girders with and without Flaws, Yiching Lin and Kuo-Lung Lin, BE Nov. 97, p131-138.

Friction
Frictional Response of PTFE Sliding Bearings at High Frequencies, Gaël Bondonet and André Filiatrault, BE Nov. 97, p139-148.

Girders
Practitioners' Forum, Muthiah Kasi and Harold R. Sandberg, BE Aug. 97, p70-72.
Transient Impact Response of Bridge I-Girders with and without Flaws, Yiching Lin and Kuo-Lung Lin, BE Nov. 97, p131-138.
Yield Interaction Equations for Nominal Bending Strength of Curved I-Girders, Chai H. Yoo and James S. Davidson, BE May 97, p37-44.

Historic sites
Experimental Load Rating Study of a Historic Truss Bridge, Thomas E. Boothby and Richard J. Craig, BE Feb. 97, p18-26.

Identification
Uniform Bridge Element Identification System for Database Management for Roadway Bridges, Mohammed E. Haque, P.E., BE Nov. 97, p183-188.

Impact
Load Distribution and Impact Factors for I-Girder Bridges, Sangjin Kim and Andrzej S. Nowak, BE Aug. 97, p97-104.
Transient Impact Response of Bridge I-Girders with and without Flaws, Yiching Lin and Kuo-Lung Lin, BE Nov. 97, p131-138.

Innovation
Cable-Stayed Bridge Concept for Longer Spans, Uwe Starossek, BE Aug. 96, p99-103.

Inspection
One Hundred Years of the Rock Island Government Bridge, Jan S. Plachta, P.E., BE Nov. 97, p168-175.

Instrumentation
Reliability-Based Method for Fatigue Evaluation of Railway Bridges, Daniel H. Tobias and Douglas A. Foutch, BE May 97, p53-60.

Interactions
Yield Interaction Equations for Nominal Bending Strength of Curved I-Girders, Chai H. Yoo and James S. Davidson, BE May 97, p37-44.

Length
Cable-Stayed Bridges—Parametric Study, T. P. Agrawal, BE May 97, p61-67.

Lifeline systems
Rapid Restoration of War-Damaged 19th Century Lifeline Bridge, Paul F. Mlakar and James C. Ray, BE Aug. 97, p125-130.

Live loads
Approximate Analysis of Irregular Slab-on-Girder Bridges, Sami W. Tabsh and Kalpana Sahajwani, BE Feb. 97, p11-17.
Stretching Span Capability of Prestressed Concrete Bridges under AASHTO LRFD, Yohchia Chen and Alex Aswad, BE Aug. 96, p112-120.

Load distribution
Experimental Load Rating Study of a Historic Truss Bridge, Thomas E. Boothby and Richard J. Craig, BE Feb. 97, p18-26.
Finite-Element Analysis of Steel Girder Highway Bridges, Mounir E. Mabsout, Kassim M. Tarhini, Gerald R. Frederick and Charbel Tayar, P.E, BE Aug. 97, p83-87.
Influence of Sidewalks and Railings on Wheel Load Distribution in Steel Girder Bridges, Mounir E. Mabsout, Kassim M. Tarhini, Gerald R. Frederick and Marwan Kobrosly, BE Aug. 97, p88-96.
Load Distribution and Impact Factors for I-Girder Bridges, Sangjin Kim and Andrzej S. Nowak, BE Aug. 97, p97-104.

Load factors
Stretching Span Capability of Prestressed Concrete Bridges under AASHTO LRFD, Yohchia Chen and Alex Aswad, BE Aug. 96, p112-120.

Loading rate
Experimental Load Rating of a Posted Bridge, Michael J. Chajes, Dennis R. Mertz and Brett Commander, BE Feb. 97, p1-10.
Experimental Load Rating Study of a Historic Truss Bridge, Thomas E. Boothby and Richard J. Craig, BE Feb. 97, p18-26.
Reliability of Inelastic Load Capacity Rating Limits for Steel Bridges, Michael G. Barker and John A. Zacher, BE May 97, p45-52.

Materials testing
Structural Deterioration Assessment for Steel Bridges, Daniel N. Farhey, Aniruddha M. Thakur, Relva C. Buchanan, A. Emin Aktan and Narayanan Jayaraman, BE Aug. 97, p116-124.

Mississippi River
One Hundred Years of the Rock Island Government Bridge, Jan S. Plachta, P.E., BE Nov. 97, p168-175.

Modal analysis
Vibration Studies of Tsing Ma Suspension Bridge, Y. L. Xu, J. M. Ko and W. S. Zhang, BE Nov. 97, p149-156.

Natural frequency
Vibration Studies of Tsing Ma Suspension Bridge, Y. L. Xu, J. M. Ko and W. S. Zhang, BE Nov. 97, p149-156.

Nondestructive tests
Structural Deterioration Assessment for Steel Bridges, Daniel N. Farhey, Aniruddha M. Thakur, Relva C. Buchanan, A. Emin Aktan and Narayanan Jayaraman, BE Aug. 97, p116-124.
Transient Impact Response of Bridge I-Girders with and without Flaws, Yiching Lin and Kuo-Lung Lin, BE Nov. 97, p131-138.

Nonlinear analysis
Segmental and Conventional Precast Prestressed Concrete I-Bridge Girders, Z. Lounis, M. S. Mirza and M. Z. Cohn, BE Aug. 97, p73-82.

Numerical models
Natural Periods of Long-Span Cable-Stayed Bridges, Domenico Bruno and Angelo Leonardi, BE Aug. 97, p105-115.

Optimization
Segmental and Conventional Precast Prestressed Concrete I-Bridge Girders, Z. Lounis, M. S. Mirza and M. Z. Cohn, BE Aug. 97, p73-82.

Panels
Cable-Stayed Bridges—Parametric Study, T. P. Agrawal, BE May 97, p61-67.

Parapets
Influence of Sidewalks and Railings on Wheel Load Distribution in Steel Girder Bridges, Mounir E. Mabsout, Kassim M. Tarhini, Gerald R. Frederick and Marwan Kobrosly, BE Aug. 97, p88-96.

Performance evaluation
Reliability-Based Method for Fatigue Evaluation of Railway Bridges, Daniel H. Tobias and Douglas A. Foutch, BE May 97, p53-60.

Pressures
Bearing Pressures for Rectangular Footings with Biaxial Uplift, Kenneth E. Wilson, BE Feb. 97, p27-33.

Probability distribution
Reliability-Based Method for Fatigue Evaluation of Railway Bridges, Daniel H. Tobias and Douglas A. Foutch, BE May 97, p53-60.

Professional practice
Introduction, Dennis R. Mertz, BE Aug. 97, p69.

Projects
Introduction, Dennis R. Mertz, BE Aug. 97, p69.

Pylons
Cable-Stayed Bridge Concept for Longer Spans, Uwe Starossek, BE Aug. 96, p99-103.

Rehabilitation
One Hundred Years of the Rock Island Government Bridge, Jan S. Plachta, P.E., BE Nov. 97, p168-175.

Reliability
Reliability of Inelastic Load Capacity Rating Limits for Steel Bridges, Michael G. Barker and John A. Zacher, BE May 97, p45-52.
Reliability-Based Method for Fatigue Evaluation of Railway Bridges, Daniel H. Tobias and Douglas A. Foutch, BE May 97, p53-60.

Resistance factors
Stretching Span Capability of Prestressed Concrete Bridges under AASHTO LRFD, Yohchia Chen and Alex Aswad, BE Aug. 96, p112-120.

Response spectra
Reliability-Based Method for Fatigue Evaluation of Railway Bridges, Daniel H. Tobias and Douglas A. Foutch, BE May 97, p53-60.

Restoration
Rapid Restoration of War-Damaged 19th Century Lifeline Bridge, Paul F. Mlakar and James C. Ray, BE Aug. 97, p125-130.

Retrofitting
Rapid Restoration of War-Damaged 19th Century Lifeline Bridge, Paul F. Mlakar and James C. Ray, BE Aug. 97, p125-130.

Safety
Practitioners' Forum, Muthiah Kasi and Harold R. Sandberg, BE Aug. 97, p70-72.

Safety analysis
Experimental Load Rating of a Posted Bridge, Michael J. Chajes, Dennis R. Mertz and Brett Commander, BE Feb. 97, p1-10.
Reliability of Inelastic Load Capacity Rating Limits for Steel Bridges, Michael G. Barker and John A. Zacher, BE May 97, p45-52.

Safety factors
Cable Safety Factors for Four Suspension Bridges, Roger Q. Haight, David P. Billington and Dyab Khazem, BE Nov. 97, p157-167.

Seismic response
Frictional Response of PTFE Sliding Bearings at High Frequencies, Gaël Bondonet and André Filiatrault, BE Nov. 97, p139-148.

Shear
Approximate Analysis of Irregular Slab-on-Girder Bridges, Sami W. Tabsh and Kalpana Sahajwani, BE Feb. 97, p11-17.

Shrinkage cracking
Bridge Deck Construction Using Type K Cement, Michael V. Phillips, George E. Ramey and David W. Pittman, BE Nov. 97, p176-182.

Sliding
Frictional Response of PTFE Sliding Bearings at High Frequencies, Gaël Bondonet and André Filiatrault, BE Nov. 97, p139-148.

Spectra
Transient Impact Response of Bridge I-Girders with and without Flaws, Yiching Lin and Kuo-Lung Lin, BE Nov. 97, p131-138.

Splicing
Practitioners' Forum, Muthiah Kasi and Harold R. Sandberg, BE Aug. 97, p70-72.

Spread foundations
Bearing Pressures for Rectangular Footings with Biaxial Uplift, Kenneth E. Wilson, BE Feb. 97, p27-33.

Steel
Experimental Load Rating Study of a Historic Truss Bridge, Thomas E. Boothby and Richard J. Craig, BE Feb. 97, p18-26.

Finite-Element Analysis of Steel Girder Highway Bridges, Mounir E. Mabsout, Kassim M. Tarhini, Gerald R. Frederick and Charbel Tayar, P.E, BE Aug. 97, p83-87.

Stiffness
Natural Periods of Long-Span Cable-Stayed Bridges, Domenico Bruno and Angelo Leonardi, BE Aug. 97, p105-115.

Stiffness matrix
Cable-Stayed Bridges—Parametric Study, T. P. Agrawal, BE May 97, p61-67.

Strain
Load Distribution and Impact Factors for I-Girder Bridges, Sangjin Kim and Andrzej S. Nowak, BE Aug. 97, p97-104.

Stress
Practitioners' Forum, Muthiah Kasi and Harold R. Sandberg, BE Aug. 97, p70-72.

Structural analysis
Finite-Element Analysis of Steel Girder Highway Bridges, Mounir E. Mabsout, Kassim M. Tarhini, Gerald R. Frederick and Charbel Tayar, P.E, BE Aug. 97, p83-87.

Structural Deterioration Assessment for Steel Bridges, Daniel N. Farhey, Aniruddha M. Thakur, Relva C. Buchanan, A. Emin Aktan and Narayanan Jayaraman, BE Aug. 97, p116-124.

Structural elements
Uniform Bridge Element Identification System for Database Management for Roadway Bridges, Mohammed E. Haque, P.E., BE Nov. 97, p183-188.

Structural reliability
Structural Deterioration Assessment for Steel Bridges, Daniel N. Farhey, Aniruddha M. Thakur, Relva C. Buchanan, A. Emin Aktan and Narayanan Jayaraman, BE Aug. 97, p116-124.

Tests
Cable Safety Factors for Four Suspension Bridges, Roger Q. Haight, David P. Billington and Dyab Khazem, BE Nov. 97, p157-167.

Frictional Response of PTFE Sliding Bearings at High Frequencies, Gaël Bondonet and André Filiatrault, BE Nov. 97, p139-148.

Three-dimensional models
Vibration Studies of Tsing Ma Suspension Bridge, Y. L. Xu, J. M. Ko and W. S. Zhang, BE Nov. 97, p149-156.

Torsion
Yield Interaction Equations for Nominal Bending Strength of Curved I-Girders, Chai H. Yoo and James S. Davidson, BE May 97, p37-44.

Two-dimensional analysis
Cable-Stayed Bridges—Parametric Study, T. P. Agrawal, BE May 97, p61-67.

Uplift
Bearing Pressures for Rectangular Footings with Biaxial Uplift, Kenneth E. Wilson, BE Feb. 97, p27-33.

Vibration analysis
Vibration Studies of Tsing Ma Suspension Bridge, Y. L. Xu, J. M. Ko and W. S. Zhang, BE Nov. 97, p149-156.

Walkways
Influence of Sidewalks and Railings on Wheel Load Distribution in Steel Girder Bridges, Mounir E. Mabsout, Kassim M. Tarhini, Gerald R. Frederick and Marwan Kobrosly, BE Aug. 97, p88-96.

Yield
Yield Interaction Equations for Nominal Bending Strength of Curved I-Girders, Chai H. Yoo and James S. Davidson, BE May 97, p37-44.

AUTHOR INDEX

Agrawal, T. P.
Cable-Stayed Bridges—Parametric Study, BE May 97, p61-67

Aktan, A. Emin
see Farhey, Daniel N., BE Aug. 97, p116-124

Aswad, Alex
see Chen, Yohchia, BE Aug. 96, p112-120

Barker, Michael G.
Reliability of Inelastic Load Capacity Rating Limits for Steel Bridges, with John A. Zacher, BE May 97, p45-52

Billington, David P.
see Haight, Roger Q., BE Nov. 97, p157-167

Bondonet, Gaël
Frictional Response of PTFE Sliding Bearings at High Frequencies, with André Filiatrault, BE Nov. 97, p139-148

Boothby, Thomas E.
Experimental Load Rating Study of a Historic Truss Bridge, with Richard J. Craig, BE Feb. 97, p18-26

Bruno, Domenico
Natural Periods of Long-Span Cable-Stayed Bridges, with Angelo Leonardi, BE Aug. 97, p105-115

Buchanan, Relva C.
see Farhey, Daniel N., BE Aug. 97, p116-124

Chajes, Michael J.
Experimental Load Rating of a Posted Bridge, with Dennis R. Mertz and Brett Commander, BE Feb. 97, p1-10

Chen, Yohchia
Stretching Span Capability of Prestressed Concrete Bridges under AASHTO LRFD, with Alex Aswad, BE Aug. 96, p112-120
err: BE Nov. 96, p166
disc: Toorak Zokaie and Tim Osterkamp, BE Nov. 97, p191-192
clo: BE Nov. 97, p192

Cohn, M. Z.
see Lounis, Z., BE Aug. 97, p73-82

Commander, Brett
see Chajes, Michael J., BE Feb. 97, p1-10

Craig, Richard J.
see Boothby, Thomas E., BE Feb. 97, p18-26

Davidson, James S.
see Yoo, Chai H., BE May 97, p37-44

Dilger, Walter H.
see Tuladhar, Raju, (disc), BE Aug. 96, p99-103

Farhey, Daniel N.
Structural Deterioration Assessment for Steel Bridges, with Aniruddha M. Thakur, Relva C. Buchanan, A. Emin Aktan and Narayanan Jayaraman, BE Aug. 97, p116-124

Filiatrault, André
see Bondonet, Gaël, BE Nov. 97, p139-148

Foutch, Douglas A.
see Tobias, Daniel H., BE May 97, p53-60

Frederick, Gerald R.
see Mabsout, Mounir E., BE Aug. 97, p83-87
see Mabsout, Mounir E., BE Aug. 97, p88-96

Haight, Roger Q.
Cable Safety Factors for Four Suspension Bridges, with David P. Billington and Dyab Khazem, BE Nov. 97, p157-167

Haque, Mohammed E., P.E.
Uniform Bridge Element Identification System for Database Management for Roadway Bridges, BE Nov. 97, p183-188

Jayaraman, Narayanan
see Farhey, Daniel N., BE Aug. 97, p116-124

Kasi, Muthiah
Practitioners' Forum, with Harold R. Sandberg, BE Aug. 97, p70-72

Khazem, Dyab
see Haight, Roger Q., BE Nov. 97, p157-167

Kim, Sangjin
Load Distribution and Impact Factors for I-Girder Bridges, with Andrzej S. Nowak, BE Aug. 97, p97-104

Ko, J. M.
see Xu, Y. L., BE Nov. 97, p149-156

Kobrosly, Marwan
see Mabsout, Mounir E., BE Aug. 97, p88-96

Leonardi, Angelo
see Bruno, Domenico, BE Aug. 97, p105-115

Lin, Kuo-Lung
see Lin, Yiching, BE Nov. 97, p131-138

Lin, Yiching
Transient Impact Response of Bridge I-Girders with and without Flaws, with Kuo-Lung Lin, BE Nov. 97, p131-138

Lounis, Z.
Segmental and Conventional Precast Prestressed Concrete I-Bridge Girders, with M. S. Mirza and M. Z. Cohn, BE Aug. 97, p73-82

Mabsout, Mounir E.
Finite-Element Analysis of Steel Girder Highway Bridges, with Kassim M. Tarhini, Gerald R. Frederick and Charbel Tayar, P.E, BE Aug. 97, p83-87
Influence of Sidewalks and Railings on Wheel Load Distribution in Steel Girder Bridges, with Kassim M. Tarhini, Gerald R. Frederick and Marwan Kobrosly, BE Aug. 97, p88-96

Mertz, Dennis R.
Introduction, BE Aug. 97, p69
see Chajes, Michael J., BE Feb. 97, p1-10

Mirza, M. S.
see Lounis, Z., BE Aug. 97, p73-82

Mlakar, Paul F.
Rapid Restoration of War-Damaged 19th Century Lifeline Bridge, with James C. Ray, BE Aug. 97, p125-130

Nowak, Andrzej S.
see Kim, Sangjin, BE Aug. 97, p97-104

Osterkamp, Tim
see Zokaie, Toorak, (disc), BE Aug. 96, p112-120

Phillips, Michael V.
Bridge Deck Construction Using Type K Cement, with George E. Ramey and David W. Pittman, BE Nov. 97, p176-182

Pittman, David W.
see Phillips, Michael V., BE Nov. 97, p176-182

Plachta, Jan S., P.E.
One Hundred Years of the Rock Island Government Bridge, BE Nov. 97, p168-175

Ramey, George E.
see Phillips, Michael V., BE Nov. 97, p176-182

Ray, James C.
see Mlakar, Paul F., BE Aug. 97, p125-130

Sahajwani, Kalpana
see Tabsh, Sami W., BE Feb. 97, p11-17

Sandberg, Harold R.
see Kasi, Muthiah, BE Aug. 97, p70-72

Starossek, Uwe
Cable-Stayed Bridge Concept for Longer Spans, BE Aug. 96, p99-103
disc: Raju Tuladhar and Walter H. Dilger, BE Nov. 97, p190
clo: BE Nov. 97, p190-191

Tabsh, Sami W.
Approximate Analysis of Irregular Slab-on-Girder Bridges, with Kalpana Sahajwani, BE Feb. 97, p11-17

Tarhini, Kassim M.
see Mabsout, Mounir E., BE Aug. 97, p83-87
see Mabsout, Mounir E., BE Aug. 97, p88-96

Tayar, Charbel, P.E
see Mabsout, Mounir E., BE Aug. 97, p83-87

Thakur, Aniruddha M.
see Farhey, Daniel N., BE Aug. 97, p116-124

Tobias, Daniel H.
Reliability-Based Method for Fatigue Evaluation of Railway Bridges, with Douglas A. Foutch, BE May 97, p53-60

Tuladhar, Raju
disc. (of Cable-Stayed Bridge Concept for Longer Spans, by Uwe Starossek, BE Aug. 96, p99-103) with Walter H. Dilger, BE Nov. 97, p190

Wilson, Kenneth E.
Bearing Pressures for Rectangular Footings with Biaxial Uplift, BE Feb. 97, p27-33

Xu, Y. L.
Vibration Studies of Tsing Ma Suspension Bridge, with J. M. Ko and W. S. Zhang, BE Nov. 97, p149-156

Yoo, Chai H.
Yield Interaction Equations for Nominal Bending Strength of Curved I-Girders, with James S. Davidson, BE May 97, p37-44

Zacher, John A.
see Barker, Michael G., BE May 97, p45-52

Zhang, W. S.
see Xu, Y. L., BE Nov. 97, p149-156

Zokaie, Toorak
disc. (of Stretching Span Capability of Prestressed Concrete Bridges under AASHTO LRFD, by Yohchia Chen and Alex Aswad, BE Aug. 96, p112-120) with Tim Osterkamp, BE Nov. 97, p191-192